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GETMAN, per, Luftfahrt Forschung, 1938, Vol XV,
No 4, pp 153-169.

SLA 59-17729

Sci
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Vol 2, No 10

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H. Schumbe

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Nat'l Res Council Canada TT 75

Subject - Aeronautics
CDS/DND Price 0.25

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A General Review of the Fundamentals of the Lifting
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Jul CTS/DEX Price 0.25

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A. Kupper, H. Schmidt

GERMAN, per. Luftfahrt-Forsch, Vol XV, 1938,
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Jul CNS/DEK Price 0.25

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Jul CTS/DEX Price 0.25

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Aerodynamic Coefficients of the Elliptical Wing,
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A PROCESS FOR MEASURING RAPIDLY VARIABLE
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6 Feb 41, 39p.

DESCRIPTORS: *Gun barrels, *Thermal stresses,
*Surface temperature, Measurement, Thermocouples,
Amplifiers, Oscillographs, Automatic weapons.

(Engineering--Ordnance, TT, v. 9, no. 12)

62-18145

I. Hackemann
II. PB-37695

Office of Technical Services

The Transmission of Longitudinal Forces in Thin-Walled Cylindrical Shells, by E. Wagner, H. Simon

Sep
ZERNIK, GER, Z.N.F., Vol XIII, No 9, 20 Jan 1938,
pp 293-303.

TR43/TIB T.1224

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Eick, H.
THE MINIMUM DRAG OF HIGH-SPEED AIRCRAFT
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[35p] (foreign text included) refs
Order from SLA \$3.60

TT-63-20540

Trans. of Luftfahrtforschung (Germany) 1938
[v. 15, no. 9, p. 481-482].

DESCRIPTORS: *Aircraft, Aerodynamic characteristics, *Drag, Gas flow, Friction, Aerodynamic control surfaces, Wind tunnel models, Radiators, Design.

TT-63-20540

1. Eick, H.

(Mechanics--Aerodynamics, TT, v. 11, no. 3)

Office of Technical Services

TT-63-20539

Fischer, G.
TESTS ON LIGHT ALLOY BEARING MATERIALS IN
THE DVL BEARING TESTING MACHINE. [1963]
[24p] (figs omitted)
Order from SLA \$2.60

TT-63-20539

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Trans. of Luftfahrtforschung (Germany) 1939 [v. 16,
no. 1] p. 1-[13].

DESCRIPTORS: *Journal bearings, Aluminum alloys,
Magnesium alloys, Load distribution, Lubricants,
Test equipment.

(Machinery--Machine Parts, TT, v. 11, no. 3)

Office of Technical Services

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F. Seeber, F.

Seeber, Fritz.
TESTING HIGH ANTIKNOCK FUELS IN SINGLE-
CYLINDER AVIATION ENGINES. [1962] 8p. 11 refs.
Available on loan from SLA 63-10462

Trans. of Luftfahrtforschung (Germany) 1939, v. 16,
no. 1, p. 18-22.

DESCRIPTION: Fuels, *Aviation fuels, Antiknock,
Test methods, Airplane engines.

A method is developed which, in contrast to the octane
number determination, permits the testing of a motor
fuel under varying temperatures and air-fuel ratios.
(Author)

Office of Technical Services

(Materials--Fuels, TT, v. 9, no. 6)

The Induction and Discharge Process and Limitations
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SLA 58-474

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[1963] [27p] (figs omitted) 6 refs
Order from SLA \$2.60 TT-63-20485

1. Fischer, G.

Trans. of Luftfahrtforschung (Germany) 1939, v. 16,
no. 7 [p. 370-383].

DESCRIPTORS: Aircraft, *Ball bearing, *Lead alloys,
*Bronze, Mechanical properties, Test equipment,
Test methods, Tests.

(Metallurgy--Nonferrous Metals, TT, v. 11, no. 2)

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Discontinuous Solutions of the Equations of Motion
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Scientific - Engineering
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TT-63-20554

Dietze, F.
AERODYNAMIC FORCES AND MOMENTS ACTING ON
THE DOUBLY HINGED HARMONICALLY OSCILLATING
PLATE (WING-FLAP TAB COMBINATION) (Zum Luft-
kraftgesetz der Harmonisch Schwingenden, Knickbaren
Platte (Flügel mit Ruder und Hilfsruder). [1963] [15p]
(foreign text included) 5 refs
Order from SLA \$1.60

TT-63-20554

Trans. of Luftfahrtforschung (Germany) 1941, v. 18,
no. 4, p. 133-141. (Abstract available)

DESCRIPTORS: *Aerodynamic control surfaces, Aero-
dynamic configurations, Moments, Oscillators, Wings,
Flaps, Trim tabs, Rotation, Fluid flow,

The earlier formulas for the aerodynamic forces and
moments acting on the doubly hinged harmonically oscil-
lating plate in two-dimensional flow are modified so as
to apply to the case of aerodynamically balanced sur-
(Mechanics--Aerodynamics, TT, v. 11, no. 3) (over)

I. Dietze, F.
II. Title: Wing-Flap...

Office of Technical Services

Cornelius, H. and Bungardt, W.
INVESTIGATION ON THE SUITABILITY OF HEAT-
RESISTANT MATERIALS FOR COMBUSTION
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5 refs.

Order from SLA \$1.10

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Trans. of *Luftfahrtforschung* (Germany) 1941, v. 18,
no. 8, p. 275-279.

DESCRIPTORS: *Internal combustion engines, Heat re-
sistant alloys, *Steel, *Austenite, Industrial research,
Production, Chemical analysis, Metallurgy, Proper-
ties, Tests.

(Metallurgy--Ferrous Metals, TT, v. 7, no. 3)

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I. Cornelius, H.
II. Bungardt, W.

Office of Technical Services

On the Development of Play in Bolted Joints Under Fatigue, by E. Dirksen, 7 pp.

GERMAN, per, Luftfahrtforschung, Vol # XIX, No 4, 6 May 1942, pp 153-156.

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Sensitivity to Overheating of Molybdenum-free
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Bratcher Tr No 1575

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pp2016-2042, pp 201-209.

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On the Symmetrical Helical Flow Field, the Regular
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Scientific - Engineering
CTIS/DEK

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Determination of the Stress Concentration Factor of a
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20 Jul 1943, pp 217-219, Munchen.

S.L.A. Tr Pool

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Scientific - Engineering
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The Problem of of Torsion in Prismatic Members of
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The Central Nerve System and Sensory Organs at
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Citation, per, Luftfahrtmedizin, Vol I, 1937,
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Sci-844
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L. Ziegler, H.

Ziegler, Heinz.
COMPARATIVE INVESTIGATIONS OF SPATIAL
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ZEISS STEREOSCOPE AND TEST CHARTS ACCORD-
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The Effect of Mechanical Vibration on the Vestibular
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GERMAN, per, Luftfahrtmedizin, Vol: No 4, 1963,
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PERCEPTION (Ein Neues Raumsch-Prüfgerät) [1961]
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DESCRIPTORS: *Space perception, Testing equipment,
Germany.

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The Effect of Centrifugal Force on the Blood
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With Special Consideration of Human
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The Thermodynamics of Rockets, by Eugene Sanger,
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Sci - Eng
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Dec 56 CTS

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A New Rotary Wing System for High Speed Flight,
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Sci - Aeronautics, aeronautical engineering
Feb 1957 CTS/dex

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CIA/FDD X-3002

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Sci - ~~Eng~~, aviation technology
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TIL Tr 4846

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Gyroscopes as the Main Measuring Elements, by
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Sci - Engr

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Aci-Aero
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